

1. (Amended) An isolated or recombinant DNA sequence coding for a mammalian, including human, glucuronyl C5-epimerase, or a functional derivative thereof, capable of converting D-glucuronic acid (GlcA) to L-iduronic acid (IdoA) constituted by a nucleotide sequence comprising nucleotide residues 1 to 1404, inclusive, as depicted in the sequence listing.

C1
2. (Amended) A DNA sequence according to claim 1 constituted by a nucleotide sequence comprising nucleotide residues 73 to 1404, inclusive, as depicted in the sequence listing.

C2
10. (Amended) A recombinant expression vector containing a transcription unit comprising a DNA sequence according to claim 1, a transcriptional promoter, and a polyadenylation sequence.